

# MULTI

## BLACET RESEARCH MA3010

### Multiple/Attenuator Module

#### Users Manual

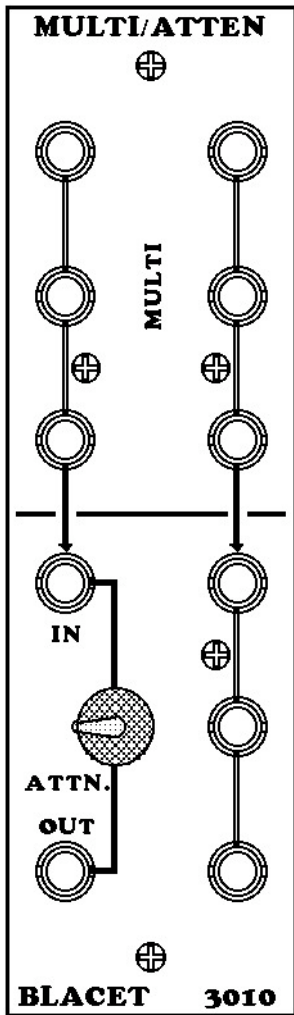
Blacet Research 94502 Stock Drive Lane, Lakeview, OR 97630

blacet@blacet.com <http://www.blacet.com> 541-947-5330

Contents Copyright.

Reproduction by any means including the Internet prohibited without permission.

This document contains proprietary and trade secret information of Blacet Research and is provided as a service to the module owner. Any unauthorized duplication or transferral may violate trade secret laws. Contents subject to change without notice.



### Using the 3010

The 3010 has two separate or combined functions. The left top and two right hand sections are **multis** or three jacks connected together. These are used when you need to send a module **output** to more than one module **input**.

The second section contains a passive **attenuator**, allowing you to send any level of the signal present at the **IN** jack to the **OUT** jack.

A second feature of the attenuator normals the left hand multi jacks to the **IN** jack when nothing is plugged into the **IN**. This gives you the option of having 3 (unattenuated) multi jacks along with one attenuated multi out via the **OUT** jack.

If you plug into the **IN** jack, the attenuator function is disconnected from the multi function and works separately.

The two right hand multi sections are normalled together unless you plug into the fourth jack down, which then gives you two separate multis on that side of the module.

Note that this is not a mixer and you cannot connect more than one module output to each multi section as they will short out. This will not damage the 3010 or your other modules, but may cause extra power dissipation and audio pops.

### Kit Assembly

Use Kester 331 (water clean) for all parts except the pot, where you must use Kester 245 (no clean). Optionally, use 245 for the entire board.

All parts go on the component side of the board.

Start with the jacks, soldering the center lug, then making sure the jack is sitting flat on the board before doing the other pins.

Install and solder the resistors.

Install the pot. Solder one mounting leg and then make sure the pot is flat on the board. Reheat the leg if necessary and then finish soldering the other pins.

Snap apart the two sections of the PCB.

Install the 3 angle brackets with the 4-40 screw and nut. The threaded part of the bracket is not used here. The nut should go on the top of the PCBs. Leave the screw a bit loose.

Mount the PCBs to the front panel with a black 4-40 screws and with the pot mounting washer and hex nut. Tighten the screw and nut previously used to mount the angle brackets, while pressing the PCB and front panel tightly together.

Push on the knob.

